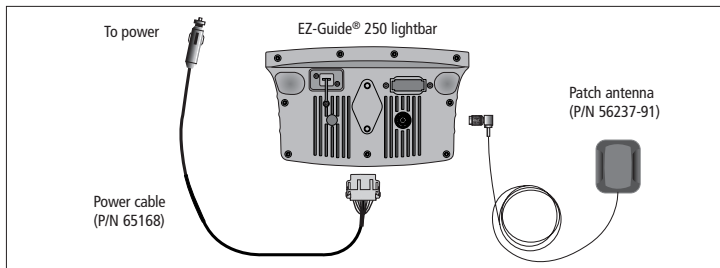


# EZ-GUIDE® 250 LIGHTBAR GUIDANCE SYSTEM QUICK REFERENCE CARD

## Connecting the System



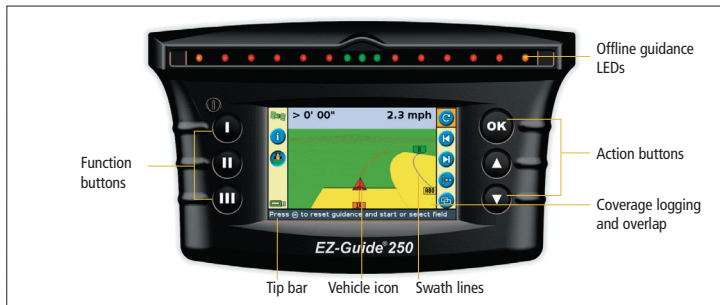
## Turning the Lightbar On and Off

To turn on the EZ-Guide 250 lightbar, press the **ⓘ** function button.

To turn off the lightbar, press and hold the **ⓘ** function button. A 5 second countdown appears onscreen. If you stop holding the **ⓘ** button during the countdown, the shutdown aborts.


























**⚠ WARNING:** Verify that the power connection is reliable. If the lightbar loses power unexpectedly, data loss may occur. The most reliable connection method is directly to the battery. To avoid data loss, always use the Off button **ⓘ** to turn off the lightbar. For alternate cabling options, please contact your local reseller.

## Lightbar Layout

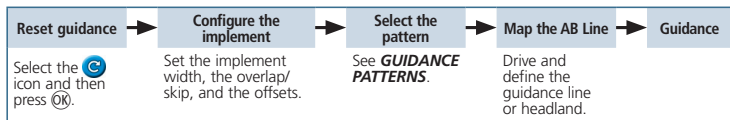


**⚠ WARNING:** Keep the lightbar dry. Moisture may cause electrical damage and will void the warranty.

## System Icons

Function (left side)		Action (right side)		Field (right side)	
Icon	Description	Icon	Description	Icon	Description
	Display information tabs		Reset guidance		 Set Point A and set Point B
	Display built-in help		 Nudge guidance line left and right		 Start and finish headland
	Turn on or off coverage logging		Shift to here (Advanced mode only)		Pause curve logging (record a straight line segment)
	Return to map view (Menu and wizard screens)		Pause, and get guidance back to the pause position		Next AB (Switches section on FreeForm™ patterns)
	Go back to previous screen (Wizard screen)		Enter mapping mode		Recording FreeForm curve
	Return to previous menu (Menu screen)		Change zoom level		Not recording FreeForm curve
	Cancel changes (Edit screen)		Change views (Advanced mode only)		
			Enter panning mode		
			Go to configuration menu		

## Beginning Guidance in Easy Mode

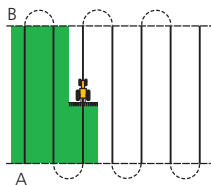


## Guidance Patterns

### AB Line

Map a straight AB line for guidance.

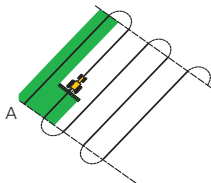
Set the A point at the start of the line and the B point at the end.



### A+

Set the A point to create the line.

The heading of the AB Line equals the manually entered heading (defaults to previous AB heading).



### Headland

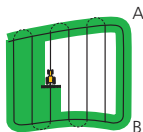
Straight swaths automatically fill the headland boundary.

Enter the number of headland circuits you want before you start defining the field.

Start the headland, define the internal guidance line, and then return to the start circle or press  to complete the headland.

**Note - Additional headlands are based on the first headland circuit.**

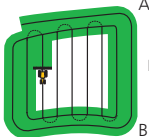
Single headland



A

B

Multiple headland



A

B

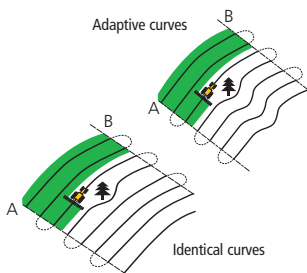
## Curves

There are two types of curves: Identical and Adaptive.

With identical curves, guidance is based on the initial curve. Any deviations are ignored. Set the A point, drive the curve, and then set the B point.

With adaptive curves, guidance is always based on the last pass.

When Auto U-turn detection is set to On, each new swath is automatically generated when you turn. When Auto U-turn detection is set to Off, set the B point at the end of each pass to create the next swath.

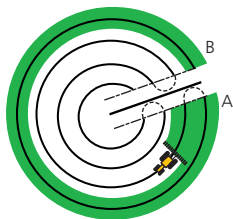


## Center-pivot

Set the A point, drive the pivot, and then set the B point.

For best results, follow the outermost wheeltrack of the pivot arm.


**Note - To work from the center of the field outwards, the initial pivot must have a radius of at least two swath widths and an arc length of at least four swath widths.**

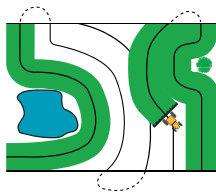


## FreeForm

Create curved and straight lines for guidance in fields of any shape by recording the exact path you drive to generate the next pass.

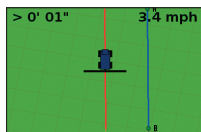
Ensure that you keep recording your path, to continue receiving guidance. Guidance then snaps to the next path.

When more than one path is in the area, use the Next AB icon  to toggle between them.

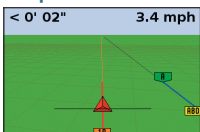


## Map Screens

### Plan View




### Perspective View



By default, the view automatically switches to the perspective view when you enter a field. To set the view so it switches when you engage an autosteering system or for manual view control, in Advanced mode select **Configuration / System / Display / View**.

## Mapping

To enter mapping mode, select the  icon and press OK. Mapping is only available in Advanced Mode.


While in mapping mode, you can:




- map point, line and area features, including exclusion zones
- engage and disengage EZ-Steer®

**Note:** Mapping is disabled if you do not have good quality GPS.

Mapped features are saved with the field. To see mapped features when you return to a field, reload the field and start a new event or continue with an existing event.


To configure mapping options, including warning zone distance, recording position, deleting features, select **Configuration / Mapping**.

To map a point feature, select  and then one of the following icons:

Rock 	Tree 
Weed 	Generic Point 

To map a line feature, select  then:

Generic Line 



To map an area feature, select  and then one of the following icons:

Generic Area 	Exclusion Zone 
--	--

To delete the closest feature, select the delete icon:


Delete 

## Nudge

Use the  and  nudge buttons to correct for position drift caused by GPS satellite constellation changes while driving in the field. Nudge is always applied to the guidance line relative to the vehicle heading. The total current nudge distance appears on the tip bar at the bottom of the screen.

To configure the nudge options, in Advanced mode, select **Configuration / System / Guidance**.

## Shift to Here

In Advanced mode, you can use Shift to Here  to:

- Correct for GPS position drift when returning to the field for guidance, for example after pausing
- Offset all swaths for applications in subsequent years







You can save the shifted swaths, which nudge does not allow.

# EZ-GUIDE® 250

## LIGHTBAR GUIDANCE SYSTEM

### Status Indicators

On the main guidance screen, there are two status indicators:

Icon	GPS status (top left)	Icon	USB drive status (lower left)
	Good GPS signal		Connected and ready
	GPS Signal outside acceptable settings		Loading
	No GPS signal		USB disabled

When a USB drive is not connected, the USB icon does not appear.

### Summary Report

A summary report is automatically created for each field. The summary report is a multi-page RTF document that shows field information including coverage, event data, and field information.

The summary report is automatically saved to the lightbar memory. To copy this report to the USB drive, select **Configuration / Data Management / Manage Fields / Summary Reports / Send Summary reports to USB**. The summary report is saved to the **/AgGPS/Summaries/** directory on the USB drive.

To view the summary report on an office computer:

1. Insert the USB drive into an office computer.
2. Select the **/AgGPS/Summaries/** folder.
3. Double-click the appropriate RTF file.
4. If you want to save the summary report, copy it to a folder on the office computer.

**Note:** To view the graphics in the file, you may need to install the Microsoft® Word Viewer utility from the documentation CD.

### System Configurations

In Advanced mode, you can save and load system configurations. This is useful if you want to:

- use exactly the same settings on multiple lightbars
- change settings when you move the lightbar between vehicles for different applications

To save, load or delete a system configuration, select **Configuration / Data Management / Save/Load Configurations**.

For more information, refer to the *EZ-Guide 250 Lightbar Product CD*.

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